

WHAT IS CLAIMED IS:

1. A child seat comprising:
 - a backrest having a top portion movably connected to a bottom portion wherein the position of the top portion is vertically adjustable;
 - a flexible latch connected to one of the top and bottom portions; and
 - notches located in the other of the top and bottom portions;
 - wherein the latch is positioned to engage one of the notches to fix the position of top portion relative to the bottom portion.
2. The child seat of claim 1, further comprising a release mechanism for disengaging the latch from the one of the notches.
3. The child seat of claim 2, wherein the release mechanism includes a member adapted to contact the latch and disengage the latch from the notch.
4. The child seat of claim 3, wherein the latch is configured to bend when contacted by the member.
5. The child seat of claim 4, wherein the member includes a wedge shaped surface positioned to contact the latch.
6. The child seat of claim 2, wherein the release mechanism includes a movable handle that is moved to disengage the latch from the notch.
7. The child seat of claim 6, further comprising a member connected to the handle and adapted to contact the latch and disengage the latch from the notch.

8. The child seat of claim 1, wherein the latch is biased toward engagement with one of the notches.

9. The child seat of claim 8, wherein the latch elastically deforms during disengagement from the notch.

10. A child seat comprising:

 a backrest having a top portion movably connected to a bottom portion wherein the position of the top portion is vertically adjustable;

 a tab connected to one of the top portion and the bottom portion; and

 notches located in the other of the top portion and the bottom portion;

 wherein the tab is positioned to engage one of the notches to fix the position of the top portion relative to the bottom portion.

11. The child seat of claim 10, wherein the tab is biased away from a position of engagement with one of the notches.

12. The child seat of claim 11, further comprising a movable rigid member positioned to contact the tab and control the engagement of the tab with one of the notches.

13. The child seat of claim 12, wherein the rigid member is connected to the top portion of the backrest.

14. The child seat of claim 12, wherein the rigid member is biased in an equilibrium position that corresponds to the tab being engaged with one of the notches.

15. The child seat of claim 14, wherein the rigid member includes an enlarged section that contacts the tab when the rigid member is in the equilibrium position to force the tab to engage one of the notches.

16. The child seat of claim 14, wherein the rigid member includes a narrow section that contacts the tab when the rigid member is moved out of the equilibrium position, thereby allowing movement of the top portion relative to the bottom portion.

17. The child seat of claim 14, further comprising a handle connected to the rigid member.

18. The child seat of claim 14, further comprising a spring for biasing the rigid member into the equilibrium position.

19. The child seat of claim 10, further comprising a second tab for engaging one of the notches.

20. The child seat of claim 19, wherein the notches are arranged in at least two parallel rows, each row positioned to correspond to one of the tabs.

21. The child seat of claim 6, wherein the handle is located on the top portion of the backrest and is configured to move downward to disengage the latch from the notch.

22. The child seat of claim 21, wherein the handle is connected to a slidable rail positioned to contact the latch when the handle moves downward.

23. The child seat of claim 22, wherein one end of the rail includes a wedge shaped

surface positioned so that when the handle moves downward the latch slides along the wedge shaped surface thereby disengaging from the notch.

24. A child seat including a backrest having a top portion and a bottom portion wherein the position of the top portion relative to the bottom portion is adjustable, comprising:

a bendable latch that engages one of a series of notches to fix the position of the top portion relative to the bottom portion, and

a rail that is arranged to slide on the backrest into contact with the latch to thereby force the latch to bend and disengage with the notch.

25. The child seat of claim 24, wherein the back rest includes a handle connected to the rail.

26. The child seat of claim 25, wherein the handle is configured to be moved downward toward a base of the child seat in order to cause the latch to disengage from the notch.

27. The child seat of claim 24, wherein the top portion of the seat slides in a guide section of the bottom portion.

28. The child seat of claim 24, wherein the rail includes a ramped surface positioned so that when the latch contacts the rail the latch slides along the ramp to disengage from the notch.